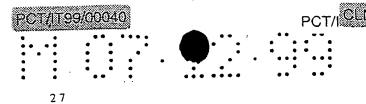
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## : Claims

2 1. A Machine translation system using a computer translator of the

- 3 type in which is provided the prearrangement of:
- 4 first storage means of words and strings of more words with
- 5 respective correct translations forming a dictionary of words and
- 6 sentences or sentence portions;
- 7 second means to receive and store a text to be translated in a
- 8 screen field or second storing means (4-45-455) and
- 9 third means to store the translated text in a second screen field or
- third storing means (456);
- 11 fourth means to find in progression the words of the text to be
- 12 translated and compare them with the words of said first means to
- 13 obtain a progressive translation and:
- 14 means to opt from a completely automatic kind of translation to an
- 15 interactive translation or vice versa, before beginning the translation,
- 16 in which:
- 17 during said interactive translation option, the following are further
- 18 provided:
- 19 means to display in a display window (46) on said screen (4):
- 20 the words lacking during the research of the words and
- 21 the translated sentences at the completion of the translation of
- 22 each sentence; and allow their correction and storage;
- 23 characterised in that, during in said interactive translation option,
- the following are further provided:
- 25 means to highlight (F2) and store a translated word or sentence
- 26 portion (4631), concerning an eventual change modification by the
- 27 operator and
- 28 means to highlight and store the corresponding word or sentence



- portion (F4-4621) of the sentence to be translated (462), and
- 2 means to memorize a respective behaviour code (F5-4632) of the
- 3 modification of said translated word or sentence portion (4631);
- 4 to integrate said first storage means with them
- 5 (4621,4631,4632), forming a dictionary of words and sentences or
- 6 sentence portions (FM; FM1,FM2,FM3,FM4,FM5) for self-
- 7 modification in the next sentences to be translated.
- 8 2. Translation system according to claim 1. characterised in that in
- 9 said interactive window (46) at least three sentences
- 10 lines/fragments or control and input strings are provided:
- 11 the first as a fragment (4621) of the sentence to be translated
- 12 (462) corresponding to the correction made (4631);
- 13 the second as a portion concerning the correction of the translated
- 14 sentence (4631);
- 15 the third as behaviour code (4632) corresponding to the portion
- 16 concerning the correction (4631).
- 1.7 3. Translation system according to any of the preceding claims where
- 18 in said interactive window (46), a line representing a series of
- 19 numbers (461) is further provided, in which the number are
- 20 represented in logic succession, with:
- 21 traits of single words translation (1\*n) +
- traits of words sets translation (n)+.
- 23 4. Translation system according to any of the preceding claims,
- 24 characterised in that it includes a translation interface (45) that
- 25 includes at least two fields (455-456) vertically scrollable in parallel
- 26 (4511-4561); adjacent and placed side-by-side, one for the document
- to be translated (455) and one for the translation (456), being
- 28 provided means that:
- 29 allow the contemporary variation of both fields dimension, one for
- 30 the text to be translated and one for the translated text, and



- 1 maintain the said two fields at the same height;
- 2 scroll the two fields parallel and simultaneously;
- 3 proportion the width of both fields in inverse proportion to the
- 4 length of the two documents: original and translation.
- 5 5. Translation system according to any of the preceding claims
- 6 charactgerized in that during the exposition of the interactive
- 7 translation window (46), are further provided:
- 8 control means that, after selection of a word of the sentence or
- 9 portion to be translated in window, activates the consultation of a
- 10 parallel dictionary that suggests alternative translations of the
- 11 selected word., thus giving the operator the possibility to consult
- 12 on line a respective consultation dictionary;
- 13 stop control means of the interactive translation in course, which
- 14 stores in accumulation, in separate couple of fields:
- 15 the part already translated and corrected and
- the corresponding part of the document that had to be
- 17 translated.
- 18 6. Translation system according to any of the preceding claims
- 19 characterised in that means for carrying out the post-correction
- 20 after translation of the text, on the field of the translation, are
- 21 further provided means that:
- 22 determining the position of the cursor in the correction area or
- 23 otherwise if a portion is stored by highlighting, calculate
- 24 automatically the number of the corresponding sentences and
- 25 words of the translated document, from the origin and,
- 26 on the base of an absolute maintenance of the punctuation
- 27 positions, supply in a screen window:
- 28 the sentence portion previously highlighted in the

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- l correction area or the whole concerned sentence located from
- 2 presence of the cursor since the last correction and
- 3 the corresponding sentence of the document to be translated, in
- 4 order to allow the operator to: delimit by highlighting the sentence
- 5 fragment corresponding to the one concerned by the correction
- 6 and supply a corresponding behaviour code for the storage, in way
- 7 substantially similar to that used during the action of the
- 8 interactive translation.
- 9 7. Translation system according to any of the preceding claims
- 10 characterised in that above said fields couple (455-456), a controls
- 11 bar (451, 452, 454, ....) is provided for the control operations
- 12 forming substantially a "T"-like base interface in which the upper
- 13 cap of the "T" is the controls bar which by the association of virtual
- 14 buttons (451, 452, 454, ....), and the shank of the 'T" substantially
- 15 divides the right field (456) from the left field (455) of said fields
- 16 couple of the document to be translated and translated document.
- 17 8. Translation system according to any of the preceding claims
- 18 characterised in that the teaching (F5: 4621-4631-4632) is
- 19 automatically stored in the interactive memory (FM), that includes:
- 20 a field of the first word of the sentence fragment, for the
- 21 research (FM1),
- 22 a field of the sentence fragment portion following the said first
- 23 word (FM2),
- 24 a translation field for the whole fragment (FM3,
- 25 a behaviour code field (FM4),
- 26 a field of personalization (FM5), in function of the selected sector
- 27 or work domain (DM) being further provided;
- 28 9 A computer (1), able to operate as a machine translator as per





- 1 previous claims, characterised in that:
- 2 a scanner means (121) is inserted in its case, said computer case
- 3 having an entry of the paper to be scanned (P) placed on the side
- 4 (12) respect to the front (11),
- 5 the computer or scanner being associated/associable to OCR
- 6 system for characters recognition.
- 7 10. A computer (1), able to operate as a machine translator as per
- 8 previous claims, characterised in that it has also integrated in its
- 9 case (1) a printer with side exit of the printed paper (13).
- 10 11. A translator bench, able to operate as a machine translator
- 11 with a computer, scanner end eventually printer, and a translation
- 12 system/method as per previous claims.
- 13 12. A computer (1), able to operate as a machine translator as per
- 14 previous claims, characterised in that it comprises a scanner (121)
- 15 substantially arranged on the side and arranged for a sheet path
- 16 substantially around the scanning head (127), being the sheet in
- 17 scanning (P) obliged to follow a substantially "C"-like path for
- 18 entering into and getting out from the same side, on the computer
- 19 side, turning around the scanning head (127).
- 20 13. A computer (1), able to operate as a machine translator as per
- 21 previous claims, characterised in that said scanner group (121) is
- 22 substantially made up of a substantially "C"-like case as a paper
- 23 guide (P), external (126), where the internal group (122)
- 24 containing the reading head (127) and the paper advancement
- 2.5. system (123-124/124'/124"-125 is inserted and extractable.